

Amendments to the Claims:

1. (Currently Amended) A fluid flow sensing apparatus, comprising:

a flow-responsive element projecting into a fluid flow path, the flow-responsive element generating a torque level in response to fluid flow;

~~a magnet coupled to the flow-responsive element for generating a magnetic field; and~~

~~a sensor to detect a change in the magnetic field~~ coupled to the flow-responsive element, the sensor able to determine fluid flow from the torque level in the flow-responsive element caused by a position change of the element in response to a fluid flow.

2. (Original) The fluid flow sensing apparatus of claim 1, wherein the apparatus has a sensitivity that is generally inversely related to a pressure generated by the fluid flow.

3. (Original) The apparatus of claim 1 wherein:

the flow-responsive element can change position in more than one direction.

4. (Currently Amended) The apparatus of claim 1 wherein:

~~the deformable element deforms when the fluid flow is at a rate of between about 10 l/min~~
sensor is a position sensor.

5. (Original) The apparatus of claim 1 wherein:

the sensor is in communication with a fluid flow controller.

Claims 6-18 cancelled.

19. (Currently Amended) A fluid flow sensing apparatus comprising:

a flow-responsive element projecting into a fluid flow path ~~said element being supported at a zero flow position in response to a fluid flow; said element further being biased into the zero flow position in the absence of a fluid flow,~~ the flow-responsive element generating a torque level in response to fluid flow;

a magnet coupled to the flow-responsive element and adapted to be displaced in response to the torque level generated by the flow-responsive element; and

a sensor for detecting a change in position of the magnet.

20. (Original) The flow sensing apparatus of claim 19, wherein the apparatus has a sensitivity that is generally inversely related to a pressure generated by the fluid flow.

21. (Previously Presented) A flow sensing apparatus comprising:

a mask portion;

a hose, the hose cooperating with the mask portion to define an air pathway;

a deformable element projecting into the air pathway;

a magnet coupled to the deformable element; and

a sensor adapted to detect a position change of the magnet.

22. (Previously Presented) The apparatus of claim 21, wherein the sensor includes a Hall effect sensor.

23. (Currently Amended) A flow sensing apparatus comprising:

a mask portion;

a hose, the hose cooperating with the mask portion to define an air pathway;

a deformable element projecting into the air pathway ~~The apparatus of claim 21, wherein the~~
deformable element includes a paddle section and a torsion strip;

a magnet coupled to the deformable element; and

a sensor adapted to detect a position change of the magnet.

24. (Currently Amended) A flow sensing apparatus comprising:

a fluid pathway;

a deformable element projecting into the fluid pathway, the deformable element including a paddle section and a torsion strip section;

a magnet coupled to the torsion strip section; and

a sensor adapted to detect movement of the magnet.

25. (Previously Presented) The apparatus of claim 24, wherein the sensor includes a Hall effect sensor.

26. (Previously Presented) The apparatus of claim 24 wherein the sensor is adapted to communicate with a gas delivery device.